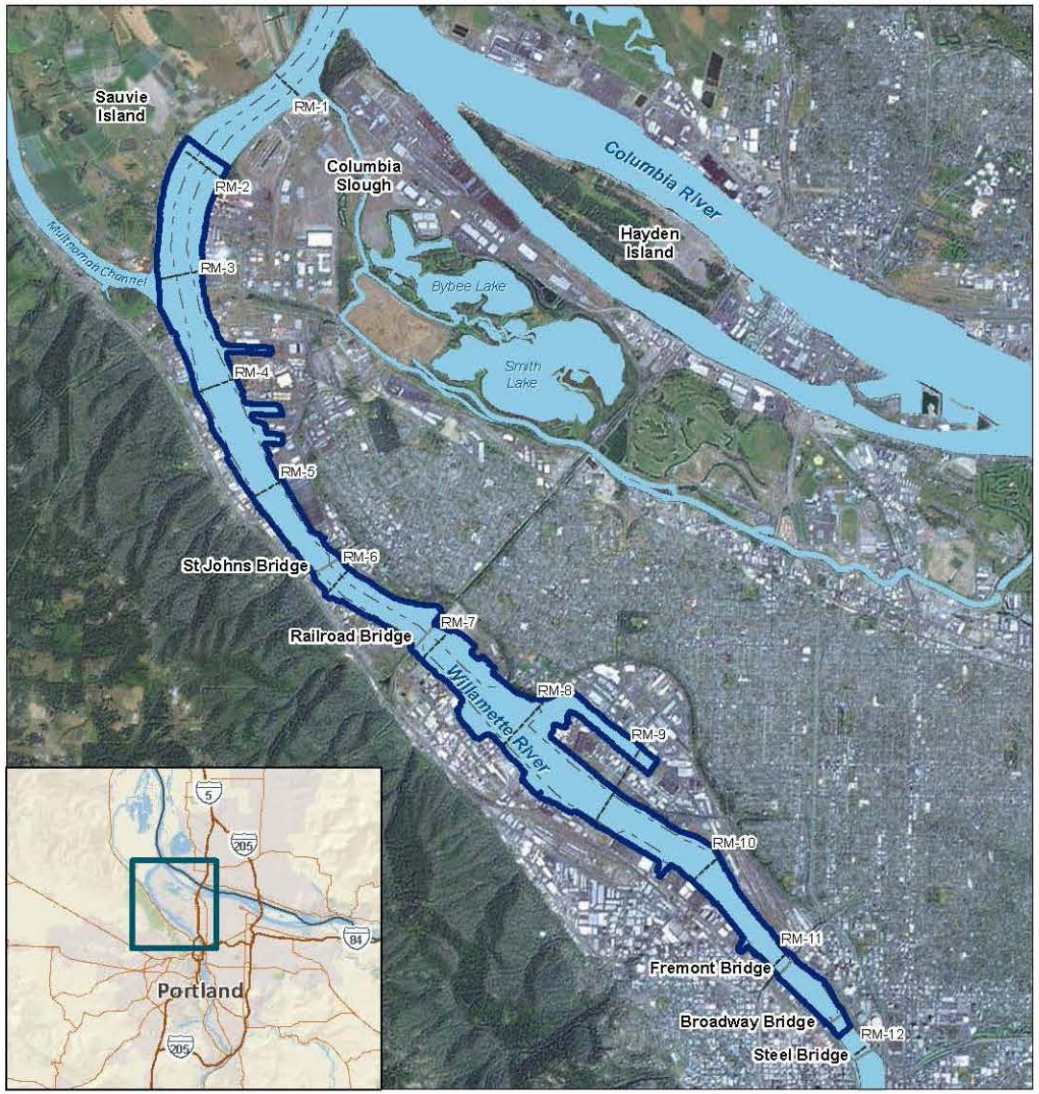
Tribal Consultation

Portland Harbor Superfund Site

1921 | Guilds Lake Fill & Swan Island Before Airport

Gasco MGP Site, mid 1950's

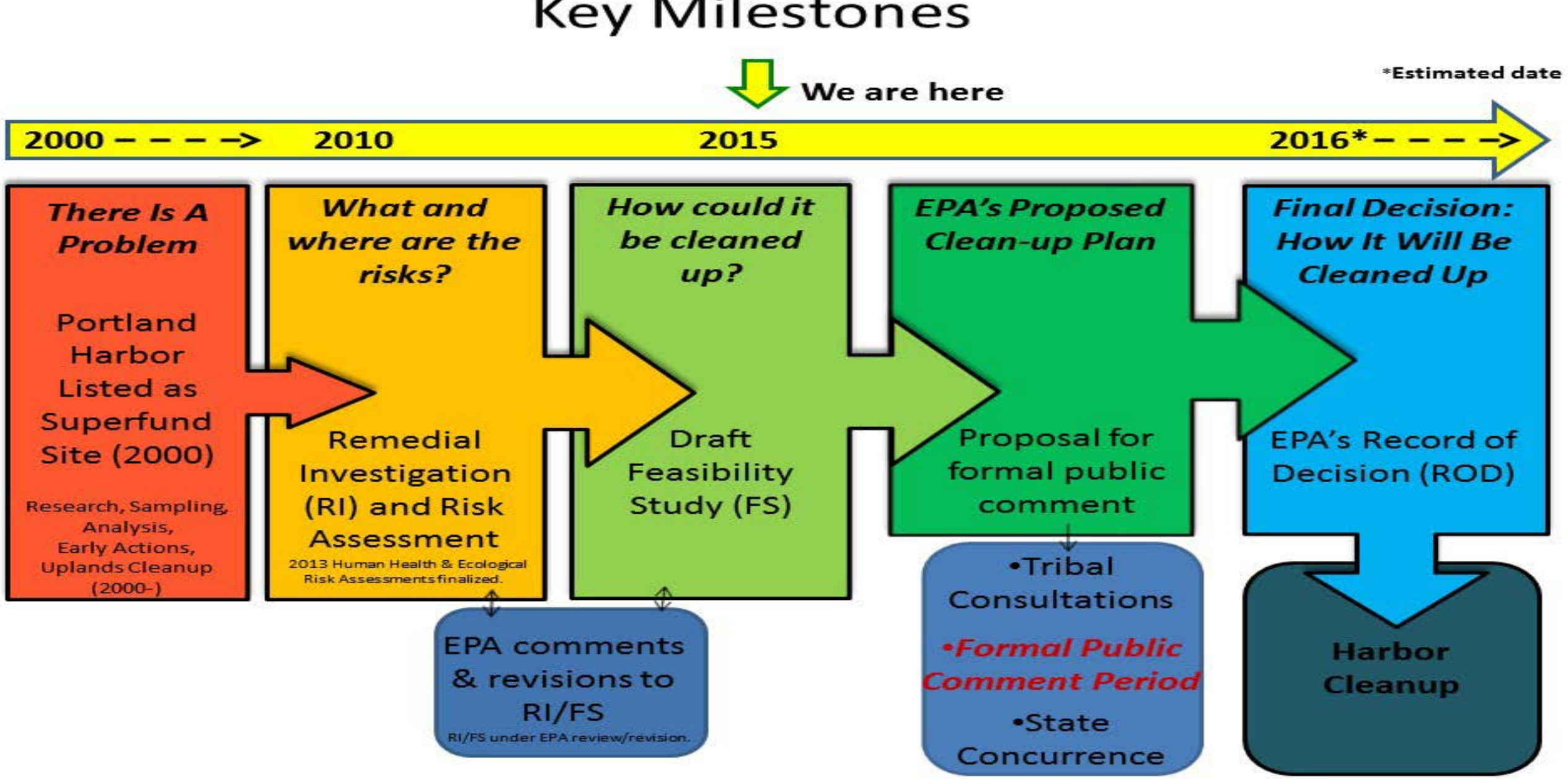
Local Setting



Source: LWG

Tribes working with EPA

- Tribes formally petitioned EPA to list the site.
- Tribes have provided oversight and input to the process
- EPA has been coordinating with 6 Tribes at staff and management levels and at these more formal Tribal consultations



Tribal involvement at each of these steps

Contaminants of Concern in Sediment

PCBs

Dioxins/Furans

Total cPAH

Total PAH

Total LPAH

Total HPAH

TPHs

Arsenic

Cadmium

Chromium

Copper

Lead

Mercury

Zinc

BEHP

Tributyltin

Aldrin

Dieldrin

Total DDE

DDx

Lindane

Total Chlordanes

Hexachlorobenzene

Pentachlorophenol

PBDE

Tribal Considerations for Risk Assessment

- The Tribes provided fish consumption rates for EPA risk analysis
- Fish living within the site are most contaminated and will benefit most from site cleanup
- EPA evaluated impacts to salmon and lamprey
- EPA considered Tribal and ceremonial uses of the river

Objectives of the Cleanup

Reduce the contaminants in river sediments, riverbanks, and fish tissue

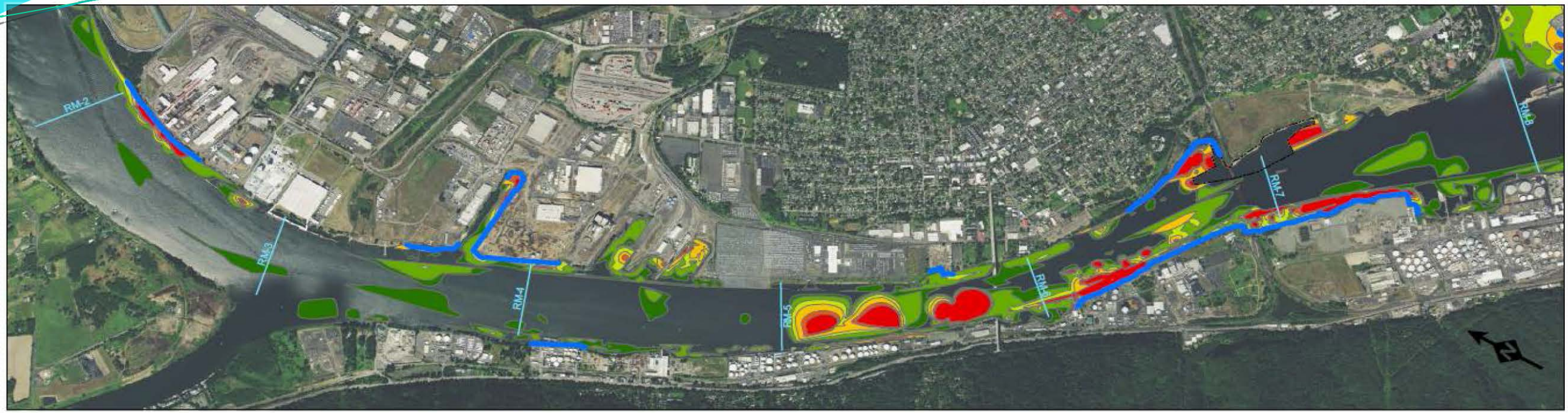
Protect people and wildlife from eating contaminated fish

Protect people and wildlife from contaminated water and reduce contaminated groundwater migration

Cleanup Approaches for Sediment Sites

- Removal/Dredging
- Capping
- Treatment
- Enhanced Monitored Natural Recovery
- Monitored Recovery

Cleanup Alternatives



Legend

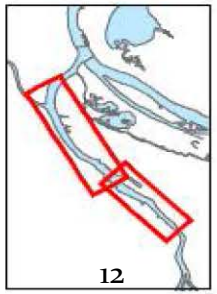
Site with Known Contaminated Riverbank

Alternative SMAs

- Alternative B
- Alternative C
- Alternative D
- Alternative E
- Alternative F
- Alternative G

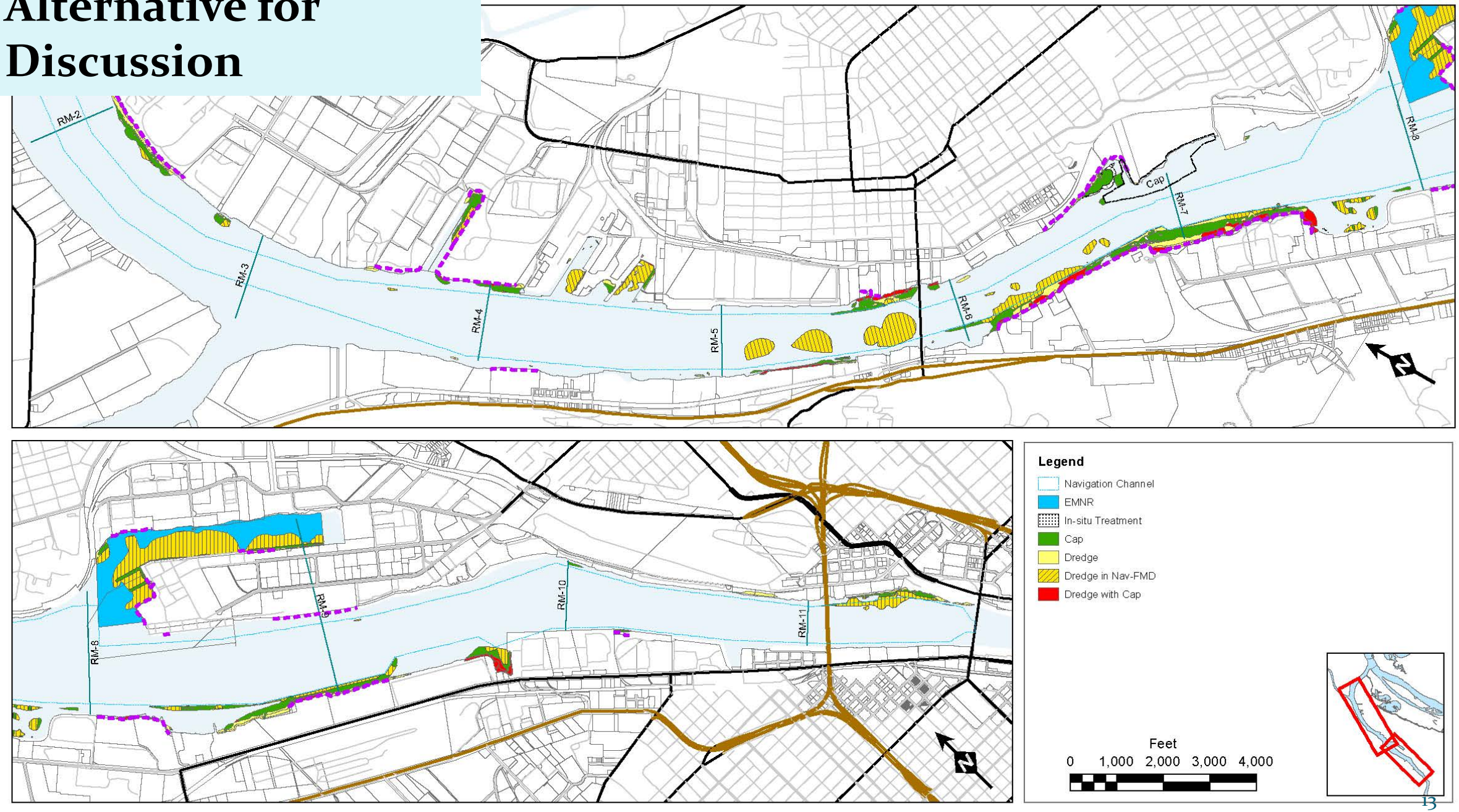
0 1,000 2,000 3,000 4,000

Feet



Source Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Alternative for Discussion



Immediate Benefits of this Cleanup

Active Cleanup → Monitoring → Goals Achieved

End of Active Cleanup:

- Hot spots are removed or covered
- Wildlife is protected
- Use of caps is minimized
- People can safely contact river sediments
- People can safely eat more fish and shellfish

After Cleanup Construction is Complete

- Monitoring of sediment, surface water and fish tissue to verify cleanup goals are achieved

Projected Timeline

➢ Gather input to prepare Proposed Plan	Jan/Feb 2016
➢ Educate community	Jan/Feb/Mar 2016
➢ Proposed Plan	Spring 2016
➢ 60 day public comment period	Apr/May 2016

Projected Timeline (continued)

- Record of Decision Dec 2016
- Negotiate with Potentially Responsible Parties 2017
- Sampling, Design, Active Cleanup 2017 and beyond